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(54) **APPARATUS, SYSTEMS AND METHODS
FOR MEASURING BLOOD PRESSURE
WITHIN AT LEAST ONE VESSEL**

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See application file for complete search history.

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(57) **ABSTRACT**

Exemplary apparatus and method for obtaining information
for at least one structure can be provided. For example, it is
possible to forward at least one first electro-magnetic radia-
tion to the at least one structure which is external from the
apparatus. At least one second electro magnetic radiation
provided from the at least one structure (which is based on
the first electro-magnetic radiation(s)) can be detected. It is
also possible to determine at least one characteristic of the
structure(s) based on the second electro-magnetic
radiation(s), and obtain data relating to a pressure of at least
one portion of the structure(s) based on the characteristic(s).

26 Claims, 4 Drawing Sheets

